

Climate Protection Division

The Power to Make a Difference

ACHIEVEMENTS FOR 1999 – IN BRIEF



For the Environmental Protection Agency's (EPA) climate protection partnership programs, 1999 was another successful year. Through a variety of partnerships with organizations and businesses, these programs continue to reduce emissions of important air pollutants while saving Americans billions of dollars on energy bills.

EPA's partnership programs have broadened and strengthened their reach as well as their environmental and economic results. Further, these programs are transforming the way energy-using products are being purchased for the nation's homes and buildings. These partnerships are enhancing both the supply of energy-efficient products and services and the demand for them. By stimulating investment in energy

efficiency and other environmentally friendly practices, the partnerships have produced meaningful environmental and economic benefits for the next 10 to 20 years. As these voluntary programs continue to grow, even greater benefits are expected.

The following are some of the major environmental and economic achievements across the partnership programs:

Environmental Benefits

- 1999 reductions of greenhouse gas emissions totaling 23 million metric tons of carbon equivalent (MMTCE)—the same as eliminating the emissions from about 18 million cars.
- 1999 reductions in emissions of nitrogen oxides (NO_x) of over 100,000 tons—equivalent to the emissions from 70 power plants.
- Locked-in emissions reductions based on actions already taken by partners in the programs of about 23 MMTCE per year between now and 2010.

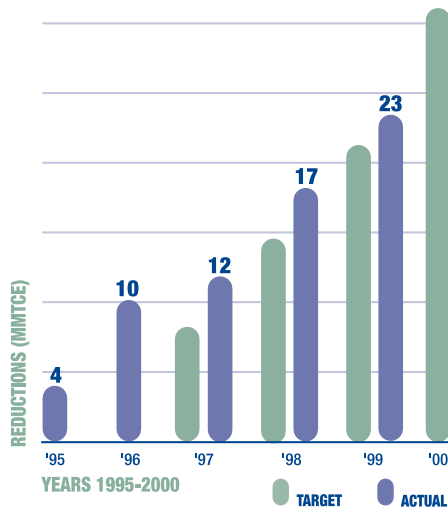


Figure 1. Division carbon reductions compared to program goals

Economic Benefits

- Energy bill savings for consumers and businesses of more than \$4 billion a year for the next 10 years, based on investments and actions already taken by program partners, including annual investments in efficient technologies exceeding \$400 million.
- A net increase in economic activity (the difference between cumulative energy bill savings and investment in energy-efficient technologies) of about \$4 billion per year from now until 2010.

Key Program Accomplishments

- The ENERGY STAR[®] Label, now recognized as the national symbol for energy efficiency, has achieved 30% public awareness.
- More than 1,200 manufacturers produced a total of 7,000 individual product models in 30 consumer product categories that were ENERGY STAR compliant.
- Americans bought more than 100 million ENERGY STAR products in 1999, saving more than 29 billion kWh.
- ENERGY STAR BuildingsSM participants represented 15 percent of the total commercial, public, and industrial building market. They saved more than 21 billion kWh of energy in 1999 alone.

- EPA and the U.S. Department of Energy (DOE) rolled out a new performance rating system for commercial buildings that allows labeling of the most efficient buildings across the country. By the end of 1999, more than 1,000 buildings were rated, and more than 100 of these buildings were awarded the ENERGY STAR Label for Buildings.
- Nearly 1,000 partnerships achieved reductions of non-carbon dioxide (CO₂) gases—methane, perfluorocarbons (PFCs), hydrofluorocarbons (HFCs), and sulfur hexafluoride (SF₆)—totaling more than 12 MMTCE in 1999 alone.

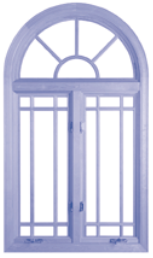
Program Effectiveness

Every federal dollar spent on these partnership programs through 1999 means:

- Reductions in greenhouse gas emissions of 1.0 metric ton of carbon equivalent (3.7 tons of CO₂).
- Savings for partners and consumers of more than \$75 on their energy bills.
- The creation of more than \$15 in private sector investment.
- The addition of over \$60 into the economy.

"Panasonic is a big supporter of the ENERGY STAR Program. It's created a difference in the marketplace. Consumers are starting to understand the importance of energy efficiency to their pocketbook and to the environment."





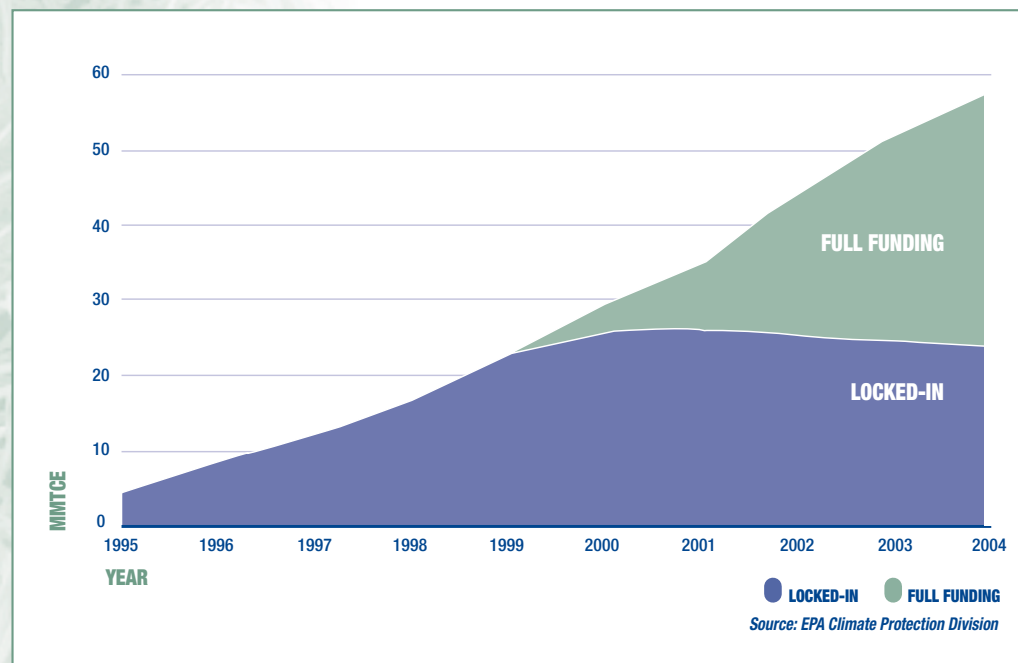
Expectations for 2000 and Beyond

Partnership programs continue to be a powerful means for reducing emissions of important air pollutants across the country, while saving businesses, organizations, and consumers money on their energy bills. Over the next several years, EPA expects these programs to continue to reduce local and global air pollution, while delivering savings for all. EPA plans to:

- Add additional products to the ENERGY STAR family.
- Build public awareness of ENERGY STAR to 50% by the end of 2001.
- Educate consumers and homeowners that ENERGY STAR products can reduce their home energy bills by about 30% or \$400 annually.

- Offer building benchmarking and labeling for more and more building types, including schools, retail uses, healthcare, lodging, food service and sales, and public assembly.
- Build more partnerships with more businesses and organizations, including small business, state and local governments, and school systems.
- Almost double the cost-effective reductions of the non-carbon dioxide greenhouse gases by 2005.

Figure 2. Future program goals versus reductions already locked-in



"Prentiss Properties is 100% behind the ENERGY STAR Label for office buildings. Earning the ENERGY STAR Label for our buildings helps improve the environment and saves dollars for our owners, shareholders, and building tenants all in the same stroke. It's a win-win for everyone."

ENERGY STAR®
Award Winners



ENERGY STAR Homes

Allies of the Year:

D.R. Wastchak, L.L.C.
Tempe, AZ

FirstEnergy Corporation
Akron, OH

**Florida Power
Corporation**
Winter Park, FL

**Public Service Electric &
Gas Company**
Newark, NJ

ENERGY STAR Homes

Special Recognition
Award Winners:

**Bosshardt Realty, R&D
Division**
Gainesville, FL

Town & Home, Inc.
Simi Valley, CA

ENERGY STAR Buildings

Corporate POY
Johnson & Johnson
New Brunswick, NJ

Retail POY
ShopKo Stores, Inc.
Green Bay, WI

Hospitality POY
La Quinta Inns, Inc.
Irving, TX

Healthcare POY
**North Memorial Health
Care**
Robbinsdale, MN

Government POY
State of Wisconsin
Madison, WI

Education POY
**Sachem Central School
District**
Holbrook, NY

Large Ally of the Year
Advance Transformer Co.
Somerset, NJ

Small Ally of the Year
**Public Service Company
of Colorado**
Denver, CO

Green Lights
Corporate POY
Pitney Bowes, Inc.
Stamford, CT

Green Lights Ally of the Year
General Electric Lighting
Cleveland, OH

Commercial Real Estate POY
Arden Realty, Inc.
Los Angeles, CA

Commercial Real Estate POY
Harwood International
Dallas, TX

Honorable Mention
**Hilton Hotels
Corporation**
Beverly Hills, CA

Honorable Mention
**Mercy Hospital of
Pittsburgh**
Pittsburgh, PA

ENERGY STAR Labeling

Labeling POY
Ricoh Corporation
Pine Brook, NJ

Appliance POY
Whirlpool Corporation
Benton Harbor, MI

Home Electronics POY
Panasonic
Secaucus, NJ

Office Equipment POY
Ricoh Corporation
Pinebrook, NJ

Roof Products POY
**National Coatings
Corporation**
Camarillo, CA

National Window POY
Alside
Cuyahoga Falls, OH

Eastern Regional Window POY
Thermal Industries, Inc.
Pittsburgh, PA

Western Regional Window POY
Viking Industries, Inc.
Portland, OR

Retail POY
**Sears, Roebuck and
Company**
Hoffman Estates, IL

Outstanding Corporate
Commitment Award
Sun Microsystems, Inc.
Palo Alto, CA

**Excellence in
Consumer Education**

**Northeast Energy
Efficiency Partnerships
New York State Energy
Research & Development
Authority**

**Ricoh Corporation
State of Wisconsin**



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